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contd

said transparent encapsulating resin, and said resin containing said fluorescent material is of a substantially uniform thickness.—

--36. A white light emitting semiconductor component, comprising:

a semiconductor body emitting electromagnetic radiation during an operation of the semiconductor component, said semiconductor body having a semiconductor layer sequence suitable for emitting blue light;

a first electrical terminal and a second electrical terminal each electrically conductively connected to said semiconductor body; and

a luminescence conversion layer disposed directly on said semiconductor body, said electromagnetic radiation passing through said layer from one side to the other, said luminescence conversion layer containing a luminescent material, said luminescence conversion layer partially converting the blue light into yellow light, such that the semiconductor component emits white light including the blue light and the yellow light.--

--37. A light-radiating semiconductor component, comprising:

a semiconductor body emitting electromagnetic radiation during an operation of the semiconductor component, said semiconductor body having a semiconductor layer sequence suitable for emitting electromagnetic radiation of a first wavelength range selected from a spectral region consisting of ultraviolet, blue, and green;

a first electrical terminal and a second electrical terminal each electrically conductively connected to said semiconductor body;